Subject Index—Volume 10

A

Accuracy, its relationship to experience in the interpretation of chest radiographs, 62
Acute renal failure, diuresis and improved renal hemodynamics produced by prostaglandin E_1 in the dog with norepinephrine-induced, 284
Airway casts, controlled deposition of tantalum powder in human, 115
Airway morphometry, stereoradiographic technique and its application to the evaluation of lung casts, 351
Amplitude frequency spectral analysis for use in evaluating myocardial wall motion, 124
Angiocardiography, effect of ionic and non-ionic contrast medium on aortic and pulmonary arterial pressure: angiocardiographic study in rabbits, 519
Angiograms, computer analysis of factors associated with thrombus formation observed on pullout, 378
Angiography
  coronary, toxicity of roentgen contrast media at selective injection into the coronary artery in the rabbit, 73
  improved cinedensitometric technique for blood flow measurements in the iliac arteries, 1
  in vivo, of the ciliary circulation in the rabbit: experimental model, 68
  microangiographic anatomy of feline eye, 53
  patterns of simian splenic lesions following blunt trauma, 329
  relationship of intraerythrocytic pH, hemoglobin oxygen equilibrium and, 140
  vascular alterations in canine histiocytic ulcerative colitis, 212
  vasodilators in the canine mesenteric circulation: evaluation of a potential aid in the diagnosis of gastrointestinal bleeding, 595
Ankylosis, degenerative disease of the sacroiliac joint, 608
Apparent transport maximum and saturation kinetics of iopanoate in the dog, 371
Arteriography
  effect of decreased renal artery perfusion pressure on intrarenal hemodynamics in the dog, 569
  renal, choice of contrast material, 91
Arteriovenous fistula, experimental; creation and percutaneous catheter obstruction with cyanoacrylate, 10
Artery occlusion, subclavian, following radiation therapy: case history, 391
Aspiration, needle, and B mode scanning, 173
ATPase, inhibition of carbonic anhydrase and, by contrast media, 314

B

B mode scanning and needle aspiration, 173
Biliary and urinary excretion of cholecystographic agents, effect of choleretics on, 189
Biliary and urinary excretion of iopanoic acid in the dog, 25
Blood flow, redistribution, roentgenographic study of, in acute pulmonary edema in dogs, 109
Bronchography
  aerosol, controlled deposition of tantalum powder in a cast of the human airways, 115
  characteristics, of tantalum dust and dust generator for, 500

C

c-AMP, experimental cerebral vasospasm and, 239
Canine intravenous pyelography, contrast and electrolyte dynamics of the intravenous pyelogram: II. disparities in serum and urine concentrations of meglumine and anion, 307
Carbonic anhydrase, inhibition of adenosine triphosphatase and, by contrast media, 314
Cardiac arrhythmia, toxicity of roentgen contrast media at selective injection into the coronary artery in the rabbit, 73
Cartesian ampulla diver and *in vitro* measurement of respiration of choroid plexus cells in communicating hydrocephalus, 366
Cat, microangiographic anatomy of the eye of, 53
Catheter complications, computer analysis of factors associated with thrombus formation observed on pullout angiograms, 378
Catheter obstruction, experimental, of the gastric coronary vein, 206
Catheter therapy, experimental arteriovenous fistula; creation and percutaneous catheter obstruction with cyanoacrylate, 10
Cerebral vasospasm, experimental, and cyclic adenosine monophosphate (c-AMP), 239
Cerebral ventriculography, comparison of iothalamate meglumine, metrizamide and iodophendylate in, 244
Cerebrospinal fluid, *in vitro* measurement of respiration of choroid plexus cells in communicating hydrocephalus, 366
Chest radiograph, accuracy and its relationship to experience in interpretation of, 62
Chest film interpretation, composition of the radiologic report, 385
Cholangiography
  endoscopic intrahepatic cholangiogram: clinicopathologic correlation with postmortem cholangiograms, 358
  excretion studies: Solu-Biloptin and Biligrafin comparison, 526
  intravenous, in different degrees of common bile duct obstruction: experimental study in the dog, 342
Cholecystographic agents, effect of choleretics on biliary and uriny excretion of, 189
Cholecystography, effect of metoclopramide on the contraction of the human gallbladder, 197
Choleresis, effect of, on biliary and urinary excretion of cholecystographic agents, 189
Cinedensitometry, improved technique for blood flow measurements in the iliac arteries, 1
Cineradiography, improved angiographic cinedensitometric technique for blood flow measurements in the iliac arteries, 1
Colitis, ulcerative, vascular alterations in canine histocytic, 212
Collaterals, renal collateral blood supply after acute renal artery occlusion, 490
Colonic diseases, vascular alterations in canine histocytic ulcerative colitis, 212
Computed brain scan diagnosis of brain lesions by the likelihood method, 251
Computer analysis of pullout angiograms and thrombus formation, 378

Contrast media
addition of calcium or other cations and of oxygen to ionic and non-ionic contrast media: effects on cardiac function during coronary arteriography, 231
choice of, in renal arteriography, 91
comparison of iothalamate meglumine, metrizamide and iodophendylate in cerebral ventriculography, 244
contrast and electrolyte dynamics of the intravenous pyelogram: I. urinary pH and volume changes in the canine ivp, 300
contrast and electrolyte dynamics of the intravenous pyelogram: II. disparities in serum and urine concentrations of meglumine and anion, 307
factitious changes in binding of oxygen to hemoglobin when based on extracellular pH in the presence of certain blood additives like, 225
inhibition of adenosine triphosphatase and carbonic anhydrase by, 314
ionic and non-ionic, effect of, on aortic and pulmonary arterial pressure: angiocardiographic study in rabbits, 519
simple spectrophotometric procedure for the determination of various contrast media in plasma, 532
toxicity of, at selective injection into the coronary artery in the rabbit, 73
toxicity of metrizamide and meglumine iocarmate in the spinal subarachnoid space, 154
toxicity studies of coronary arteriographic media in dogs, 323
Coronal planes
further investigation and initial clinical use of advanced CT display capability, 479
image generation and display techniques for CT scan data: thin transverse and reconstructed sagittal planes and, 403
Coronary arteriography
addition of calcium or other cations and of oxygen to ionic and non-ionic contrast media: effects on cardiac function during, 231
toxicity studies of canine, 323
Cyanoacrylate, experimental arteriovenous fistula; creation and percutaneous catheter obstruction with, 10

D

Diagnostic radiology, composition of the radiologic report, 385
Diagnostic radiology program, development of, in the National Cancer Institute, 176
Digital computer in differential diagnosis of brain lesions with a computed brain scan diagnosis by the likelihood method, 251
Dimer, solute excretion during intravenous urography: comparison of sodium iothalamate and sodium iocarmate (iothalamate dimer), 552

E

Edema, canine pulmonary, roentgenographic study of blood flow redistribution in, 109
Embolism, selective arterial, for control of traumatic splenic bleeding, 18
Enzyme inhibition, inhibition of adenosine triphosphatase and carbonic anhydrase by contrast media, 314
Error rate, composition of the radiologic report, 385
Eye
in vivo angiography of ciliary circulation in the rabbit, 68
microangiographic anatomy of the cat's, 53

F

^{18}F fluoride, analysis of factors which influence the local accumulation of bone-seeking radiopharmaceuticals, 564
Films, effect of geometric and recording system unsharpness in mammography, 43
Fluoride, role of calcium and, in osteoporosis in Rhesus monkey, 263

G

Gallbladder contractility, effect of metoclopramide on, 197
Gastrointestinal hemorrhage, vasodilators in the canine mesenteric circulation: evaluation of a potential aid in the diagnosis of, 595
Geometric unsharpness, image quality in fine-detailed skeletal radiography affected by film graininess and, 35

H

Harmonic analysis, changes in the pulse wave form with flow through vessels with repetitive saccular dilatations and stenosis, 622
Hemorrhagic shock, reversal of oliguria and renal cortical ischemia of, in the dog with tris (hydroxymethyl) amino methane (THAM), 273
Hepatic artery flow, effect of selective celiac infusion of vasopressin on, 200
Hepatic blood flow, a new approach to evaluating, in the presence of intrahepatic portal systemic shunting, 639
High-resolution hand radiography, effect of film graininess and geometric unsharpness on image quality in, 35
Hydrocephalus, *in vitro* measurement of respiration of choroid plexus cells in communicating, 366

I

Image display, further investigation and initial clinical use of advanced CT, 479
Image display techniques for CT Scan data: thin transverse and reconstructed coronal and sagittal planes, 403
Image quality
effect of geometric and recording system unsharpness in mammography, 43
fine-detail skeletal radiography and effect of film graininess and geometric unsharpness on, 35
optical versus radiographic magnification for fine-detail skeletal radiography, 160
Interpretation of chest radiographs, accuracy and its relationship to experience in, 62
Intravascular tamponade of the gastroesophageal varices, possible technique for percutaneous, 206

Iodine-125, investigation of, as an isotopic source for mammography, 511
Iodipamide
cholangiographic excretion studies: Solu-Biloptin and Biligrafin comparison, 526
intravenous cholangiography, in different degrees of common bile duct obstruction: experimental study in the dog, 342
Iopanoic acid, canine biliary and urinary excretion of, 25
Iothalamate, solute excretion during intravenous urography: comparison of sodium iothalamate and sodium iocarmate (iothalamate dimer), 552
Ipodate, cholangiographic excretion studies: Solu-Biloptin and Biligrafin comparison, 526
Isoproterenol, experimental cerebral vasospasm and cyclic adenosine monophosphate (c-AMP), 239

K

Kymography, myocardial wall motion evaluation using amplitude frequency spectral analysis, 124

L

Lung casts, stereoradiographic technique and its application to evaluation of, 351
Lung deposition, characteristics of tantalum dust and dust generator for bronchography, 500
Lung density, preliminary studies in ultrasonic pulmonary densitometry, 258
Lung volumes, radiographically determined, at full inspiration and during dynamic forced expiration in normal subjects, 100

M

Mammography
effect of geometric and recording system unsharpness in, 43
investigation of ^{125}I as an isotopic source for, 511
Maximum likelihood method, differential diagnosis of brain lesions with a computed brain scan diagnosis by the, 251
Mesenteric angiography, patterns in experimental obstruction of the small bowel, 583
Methylglucamine iothalamates and sodium, comparison of solute excretion during intravenous urography, 148
Metoclopramide, effect of, on contraction of human gallbladder, 197
Microangiography, patterns in experimental obstruction of the small bowel, 583
Microspheres, renal collateral blood supply after acute unilateral renal artery occlusion, 490
MTF, effect of film graininess and geometric unsharpness on image quality in fine-detail skeletal radiography, 35
Myelography, toxicity of metrizamide and meglumine iocarmate in the spinal subarachnoid space, 154
Myocardial contractility, addition of calcium or other cations and of oxygen to ionic and non-ionic contrast media: effects on cardiac function during coronary arteriography, 231
Myocardial motion
evaluation of, by analysis of scattered radiation during fluoroscopy, 132
evaluation of, using amplitude frequency spectral analysis, 124

N

Nephrotoxicity, choice of contrast material in renal arteriography, 91
Nuclear brain scan, differential diagnosis of brain lesions with a computed brain scan diagnosis by the likelihood method, 251

O

Oliguria, reversal of, and renal cortical ischemia of hemorrhagic shock in the dog with tris (hydroxymethyl) amino methane (THAM), 273
Optical and radiographic magnification, comparison of, for fine-detail radiography, 160
Osmotic diuresis, contrast and electrolyte dynamics of the intravenous pyelogram: I. urinary pH and volume changes in the canine ivp, 300
Osteoporosis, role of calcium and fluoride in Rhesus monkey, 263
Oxygen-hemoglobin affinity, factitious changes in, when based on extracellular pH in the presence of certain blood additives like radiographic contrast media, 225

P

Particle deposition, controlled, of tantalum powder in a cast of the human airways: applications for aerosol bronchography, 115
pH, intraerythrocytic, relationship of angiography, hemoglobin oxygen equilibrium and, 140
Photon absorptiometry, used to study role of calcium and fluoride in osteoporosis in Rhesus monkeys, 263
Postcatheterization thrombosis, computer analysis of factors associated with, on pullout angiograms, 378
Principle of double image, stereoradiographic technique and its application to evaluation of lung casts, 351
Prostaglandin E_1 infusion, diuresis and improved renal hemodynamics produced by, in the dog with norepinephrine-induced acute renal failure, 284
Pulmonary edema, preliminary studies in ultrasonic pulmonary densitometry, 258
Pulmonary hypertension, effect of ionic and non-ionic contrast medium on aortic and pulmonary arterial pressure: angiocardiographic study in rabbits, 519
Pulse wave form, changes in, with flow through vessels with repetitive saccular dilatations and stenosis, 622

R

Rabbit
angiographic patterns in experimental obstruction of the small bowel, 583
toxicity of roentgen contrast media at selective injection into the coronary artery in the, 73

Radiation therapy, case history of subclavian artery occlusion following, 391
Radiographs, dynamic chest, of lung volumes at full inspiration and during forced expiration in normal subjects, 100
Radiography
  dynamic, evaluation of cardiac motion by analysis of scattered radiation during fluoroscopy, 132
  fine-detail skeletal, optical versus radiographic magnification for, 160
Radiologic report, composition of, 385
Radiologic training, accuracy and its relationship to the interpretation of chest radiographs, 62
Red cell pH, factitious changes in binding of oxygen to hemoglobin when based on extracellular pH in the presence of certain blood additives like radiographic contrast media, 225
Renal artery occlusion, renal collateral blood supply after acute unilateral, 490
Renal cortical ischemia, reversal of oliguria and, of hemorrhagic shock in the dog with tris (hydroxymethyl) amino methane (THAM), 273
Renal cortical perfusion, effect of decreased renal artery perfusion pressure on intrarenal hemodynamics in the dog, 569
Renal hemodynamics, improved, and diuresis produced by prostaglandin E_1 in the dog with norepinephrine-induced acute renal failure, 284

S

Sacroiliac joint, degenerative disease of the, 608
Sagittal planes
  further investigation and initial clinical use of advanced CT display capability, 479
  image generation and display techniques for CT scan data: thin transverse and reconstructed coronal planes and, 403
Saturation kinetics of iopanoate in the dog, 371
Scattered radiation, during fluoroscopy, evaluation of cardiac motion by analysis of, 132
Screens, effect of geometric and recording system unsharpness in mammography, 43
Small bowel, angiographic patterns in experimental obstruction of the, 583
Sodium and methylglucamine iothalamates, comparison of solute excretion during intravenous urography, 148
Sodium iopanoate, saturation kinetics of, in the dog, 371
Sonography, needle aspiration and B mode scanning, 173
Spectrophotometry, procedure for the determination of various contrast media in plasma, 532
Spinal cord, mechanism of ischemia in anteroposterior compression of the, 543
Spleen
  angiographic patterns of splenic lesions following blunt trauma: experimental study in monkeys, 329
  selective arterial embolization for control of traumatic bleeding of, 18
Stereoradiograph, technique and application of, to evaluation of lung casts, 351

T

Tantalum powder
  characteristics of, and dust generator for bronchography, 500
  controlled deposition of, in a cast of the human airways: applications for bronchography, 115
^{99m}Tc-Sn-pyrophosphate, analysis of factors which influence the local accumulation of bone-seeking radiopharmaceuticals, 564
Television, myocardial wall motion evaluation using amplitude frequency spectral analysis, 124
THAM, reversal of oliguria and renal cortical ischemia of hemorrhagic shock in the dog with, 273
Therapeutic intravascular obstruction, possible technique for percutaneous intravascular tamponade of the gastroesophageal varices, 206
Tomography
  computerized axial, further investigation and initial clinical use of advanced CT display capability, 479
  computerized axial, image generation and display techniques for CT scan data: thin transverse and reconstructed coronal and sagittal planes, 403
Toxicity of roentgen contrast media at selective injection into the coronary artery in the rabbit, 73
Trauma, angiographic patterns of simian splenic lesions following blunt, 329

U

Ultrasound, preliminary studies in ultrasonic pulmonary densitometry, 258
Urinary and biliary excretion of cholecystographic agents, effect of choleretics on, 189
Urinary and biliary excretion of iopanoic acid in the dog, 25
Urography, intravenous
  solute excretion during, 552
  solute excretion during, with comparison of sodium and methylglucamine iothalamates, 148

V

Vasoconstrictive therapy, effect of selective celiac infusion of vasopressin on the hepatic artery flow, 200
Vasodilators in the canine mesenteric circulation: evaluation of a potential aid in the diagnosis of gastrointestinal bleeding, 595
Vasopressin, hepatic artery flow affected by selective celiac infusion of, 200

W

Wiener spectrum, effect of film graininess and geometric unsharpness on image quality in fine-detail skeletal radiography, 35

X

X-ray film, effect of film graininess and geometric unsharpness on image quality in fine-detail skeletal radiography, 35

Authors' Index—Volume 10

A

Abrams, H.L., *see* Hessel, S.J.
Abrams, R.M., *see* Falkenstein, D.B.
Adams, J.T., *see* Burgener, F.A.
Almén, T., Aspelin, P.: Cardiovascular effects of ionic monomeric, ionic dimeric and non-ionic contrast media: effects in animals on myocardial contractile force, pulmonary and aortic blood pressure and aortic endothelium, 557
Almén, T., Aspelin, P., Levin, B.: Effect of ionic and non-ionic contrast medium on aortic and pulmonary arterial pressure: angiocardiographic study in rabbits, 519 *also see* Trägårdh, B.
Aspelin, P., *see* Almén, T.
Atkins, H.L., *see* Fairchild, R.

B

Barr, J.W., Lakin, R.C., Rösch, J.: Vasopressin and hepatic artery: effect of selective celiac infusion of vasopressin on the hepatic artery flow, 200
Bass, A., *see* Hessel, S.J.
Becker, J.A., Schneider, M., Staiano, S., Cromb, E.: Needle aspiration and B mode scanning, 173
Benness, G.T., Evill, C.A., Varga, D., Soschko, M.: Cholangiographic excretion studies: Solu-Biloptin and Biligrafin comparison, 526 *also see* Evill, C.A.
Berge, T., Lepasoon, J., Olin, T.: Angiographic patterns of splenic lesions following blunt trauma: an experimental study in monkeys, 329
Bookstein, F.L., *see* Hessel, S.J.
Bowen, B.M., *see* Garnett, E.S.
Burgener, F.A., Fischer, H.W., Adams, J.T.: Intravenous cholangiography in different degrees of common bile duct: an experimental study in the dog, 342

C

Carlson, E.L., *see* Jacobs, R.P. *also see* Shanser, J.D.
Carter, A.M., Olin, T.: Toxicity of roentgen contrast media at selective injection into the coronary artery in the rabbit, 73
Chan, T. L., *see* Schlesinger, R.B.
Chiles, J.T., *see* Haus, A. G.
Christopher, R.A., *see* Reich, S.B.
Chuang, V.P., Reuter, S.R.: Selective arterial embolization for the control of traumatic splenic bleeding, 18
Coates, G., *see* Garnett, E.S.
Cooke, W. J., Mudge, G.H.: Biliary and urinary excretion of iopanoic acid in the dog, 25
Cooke, W.J., Mudge, G.H.: Effect of choleretics on biliary and urinary excretion of cholecystographic agents, 189
Corn, M., *see* Weyel, D. A.
Cromb, E., *see* Becker, J.A.

D

Dahlstrom, P.J., *see* Medzihradsky, F.
Deuker, D.K., *see* Rothman, S.L.G.
Deutsch, V., *see* Itzchak, Y.
Doi, K., Genant, H. K., Rossmann, K.: Effect of film graininess and geometric unsharpness on image quality in fine-detail skeletal radiography, 35 *also see* Genant, H.K. *also see* Haus, A.G.
Doi, K., Genant, H.K., Rossmann, K.: Effect of film graininess and geometric unsharpness on image quality in fine-detail skeletal radiography, 35
Doppman, J.L.: Mechanism of ischemia in anteroposterior compression of the spinal cord, 543
Dotter, C.T., *see* Rösch, J.
Dowgialo, I.T., *see* Hessel, S.J.
Dunn, R.C., Lasser, E.C., Sell, S., Lang, J.H.: Failure to induce hypersensitivity reactions to opaque contrast media analogs in guinea pigs, 317
Dwyer, S.J., *see* Glenn Jr., W.V.

E

Epstein, M.H., *see* James, A.E.
Everitt, J.H., *see* Reich, S.B.
Evill, C.A., Benness, G.T.: Solute excretion during intravenous urography: comparison of sodium and methylglucamine iothalamates, 148 *also see* Benness, G.T.

F

Fairchild, R., Atkins, H.L., Lebowitz, E., Greenberg, D.: Investigation of ^{125}I as an isotopic source for mammography, 511
Falkenstein, D.B., Riccobono, C., Sidhu, G., Abrams, R.M., Seliger, G., Zimmon, D.S.: Endoscopic intrahepatic cholangiogram: clinicopathologic correlation with postmortem cholangiograms, 358
Finberg, H., *see* Griffiths, H.J.
Fischer, H.W., *see* Burgener, F.A.
Flamm, E.S., *see* Kim, J.
Fraser, R. G., *see* Surette, G.D.
Frech, R. S.: Toxicity studies of coronary arteriographic media in dogs, 323

G

Gamsu, G., Shames, D.M., McMahon, J., Greenspan, R.H.: Radiographically determined lung volumes at full inspiration and during dynamic forced expiration in normal subjects, 100
Garnett, E.S., Bowen, B.M., Coates, G., Nahmias, C.: An analysis of factors which influence the local accumulation of bone-seeking radiopharmaceuticals, 564
Genant, H.K., Doi, K., Mall, J.C.: Optical versus radiographic magnification for fine-detail skeletal radiography, 160 *also see* Doi, K.
Gerson, D.E., *see* Hessel, S.J.
Glenn, Jr., W. V., Johnston, R.J., Morton, P.E., Dwyer, S.J.: Further investigation and initial clinical use of advanced CT display capability, 479
Glenn Jr., W. V., Johnston, R.J., Morton, P.E., Dwyer, S.J.: Image generation and display techniques for CT scan data: thin transverse and reconstructed coronal and sagittal planes, 403
Goergen, T.G., *see* Resnick, D.
Goldman, M.L., *see* Rösch, J.
Gomez, J.A., *see* Lawson, T.L.
Greenberg, D., *see* Fairchild, R.
Greenspan, R.H., *see* Gamsu, G.
Griffiths, H.J., Hunt, R.D., Zimmerman, R. E., Finberg, H.,

Cutting, J.: Role of calcium and fluoride in osteoporosis in rhesus monkeys, 263

H

Hamblin, A.E., *see* Lasser, E.C.
Harris, T.D., *see* Yeh, H-C
Haus, A.G., Doi, K., Chiles, J.T., Rossmann, K., Mintzer, R.A.: The effect of geometric and recording system unsharpness in mammography, 43
Helland D.R., *also see* Silverman, N.R.
Hendin, A.: Ultrasonic pulmonary densitometry: preliminary studies, 258
Herman, P.G., Hessel, S.J.: Accuracy and its relationship to experience in the interpretation of chest radiographs, 62 *also see* Hessel, S.J.
Hessel, S.J., Gerson, D.E., Bass, A., Dowgialo, I.T., Hollenberg, N. K., Abrams, H.L.: Renal collateral blood supply after acute unilateral renal artery occlusion, 490
Hessell, S.J., Herman, P.G., Bookstein, F.L., Murphy, M.A., Korngold, E.: Composition of the radiologic report, 385 *also see* Herman, P.G.
Hisada, K., *see* Mori, H.
Hogg, J.C., *see* Surette, G.D.
Hollenberg, N.K., *see* Hessel, S.J.
Hulbert, A.J., *see* Yeh, H-C
Hunt, R.D., *see* Griffiths, H.J.
Hunter, T.B., *see* Medzihradsky, F.

I

Itzchak, Y., Yerushalmi, S., Deutsch, V.: Blood flow measurements in the iliac arteries by an improved angiographic cinedensitometric technique, 1

J

Jacobs, A.M., *see* Weidner, W.A.
Jacobs, R.P., Korobkin, M., Lieberman, R.S., Seidlitz, L., Carlson, E.L.: Reversal of oliguria and renal cortical ischemia of hemorrhagic shock in the dog with tris (hydroxymethyl) amino methane (THAM), 273
James, A.E., Epstein, M.H., Smith, T.C.: *In vitro* measurement of respiration of choroid plexus cells in communicating hydrocephalus, 366
Johnston, R.J., *see* Glenn Jr., W.V.

K

Kanto, J., *see* Katevuo, K.
Katevuo, K., Kanto, J., Pihlajamäki, K.: Effect of metoclopramide on the contraction of the human gallbladder, 197
Keegan, A.F., *see* Schlesinger, R.B.
Kenney, E.S., *see* Weidner, W.A.
Kerber, C.: Experimental arteriovenous fistula: creation and percutaneous catheter obstruction with cyanoacrylate, 10
Kier, E.L., *see* Rothman, S.L.G.
Kim, J., Flamm, E.S., Lin, J.: Experimental cerebral vasospasm and cyclic adenosine monophosphate (c-AMP), 239
Klee, J.G., Praestholm, J.: Comparison of iothalamate meglumine metrizamide and iodophendylate in cerebral ventriculography: a clinical, radiological and histopathological study in the rat, 244
Kojima, K., *see* Mori, H.
Korngold, E., *see* Hessel, S.J.
Korobkin, M., *see* Jacobs, R.P. *also see* Moskowitz, P.S., *also see* Shanser, J.D.

L

Lakin, R.C., *see* Barr, J.W. *also see* Sovak, M.
Lang, J.H., Lasser, E.C.: Inhibition of adenosine triphosphatase and carbonic anhydrase by contrast media, 314 *also see* Dunn, R.C. *also see* Lasser, E.C.
Lasser, E.C., Lang, J.H., Hamblin, A.E., Rosen, L.: Contrast and electrolyte dynamics of the intravenous pyelogram: I. urinary pH and volume changes in the canine ivp, 300
Lasser, E.C., Lang, J.H., Hamblin, A.E., Rosen, L.: Contrast and electrolyte dynamics of the intravenous pyelogram. II. disparities in serum and urine concentrations of meglumine and anion, 307 *also see* Dunn, R.C. *also see* Lang, J.H.
Lawson, T.L., Gomez, J.A., Margulis, A.R.: Vascular alterations in canine histiocytic ulcerative colitis, 212
Lebowitz, E., *see* Fairchild, R.
Lepasoon, J., *see* Berge, T.
Levin, B., *see* Almén, T.
Lichtman, M.A., Whitbeck, A. A., Murphy, M.: Factitious changes in binding of oxygen to hemoglobin when based on extracellular pH in the presence of certain blood additives like radiographic contrast media, 225
Lieberman, R.S., *see* Jacobs, R.P.
Lin, J., *see* Kim, J.
Lippmann, M., *see* Schlesinger, R.B.
Loeffler, R.K.: Subclavian artery occlusion following radiation therapy: a case history, 391
Lynch, P., *see* Trägårdh, B.

M

Mall, J.C., *see* Genant, H.K.
Mani, R.L.: Computer analysis of factors associated with thrombus formation observed on pullout angiograms, 378
Margulis, A.R., *see* Lawson, T.L.
McMahon, J., *see* Gamsu, G.
Medzihradsky, F., Dahlstrom, P.J., Hunter, T.B., Thornbury, J.R., Silver, T.M.: A simple spectrophotometric procedure for the determination of various contrast media in plasma, 532
Mesrobian, A., *see* Rosenthal, A.
Miller, K.L., *see* Weidner, W.A.
Mintzer, R.A., *see* Haus, A.G.
Mori, H., Suzuki, Y., Hisada, K., Kojima, K., Tonami, N.: New diagnostic approach to brain lesions in nuclear medicine: differential diagnosis of brain lesions with a computed brain scan diagnosis by the likelihood method, 251
Morton, P.E., *see* Glenn Jr., W.V.
Moskowitz, P.S., Korobkin, M., Rambo, O.N.: Diuresis and improved renal hemodynamics produced by prostaglandin E_1 in the dog with norepinephrine-induced acute renal failure, 284
Mudge, G.H., *see* Cooke, W.J.

Muir, A.L., *see* Surette, G.D.
Murphy, M., *see* Lichtman, M.A.
Murphy, M.A., *see* Hessel, S.J.

N

Nahmias, C., *see* Garnett, E.S.
Nelson, J.A., Staubus, A.E., Riegelman, S.: Saturation kinetics of iopanoate in the dog, 371
Niwayama, G., *see* Resnick, D.

O

Olin, T., *see* Berge, T. *also see* Carter, A.M.

P

Phalen, R.F., *see* Yeh, H-C
Pihlajamäki, K., *see* Katevuo, K.
Praetholm, J. *see* Klee, J.G.

R

Rambo, O.N., *see* Moskowitz, P.S.
Reich, S.B., Riley III, J.C., Christopher, R.A., Walker, L.A., Everitt, J.H.: Changes in the pulse wave form with flow through vessels with repetitive saccular dilatations and stenosis, 622
Resnick, D., Niwayama, G., Goergen, T.G.: Degenerative disease of the sacroiliac joint, 608
Reuter, S.R., *see* Chuang, V.P.
Riccobono, C., *see* Falkenstein, D.B.
Riegelman, S., *see* Nelson, J.A.
Riley III, J.S., *see* Reich, S.B.
Rösch, J., Goldman, M.L., Dotter, C.T.: Experimental catheter obstruction of the gastric coronary vein, 206 *also see* Lakin, R.C. *also see* Sovak, M.
Rosen, L., *see* Higgins, C.B. *also see* Lasser, E.C. *also see* Silverman, N.R.
Rosenthal, A., Mesrobian, A.: Relationship between angiography, intraerythrocytic pH and hemoglobin oxygen equilibrium, 140
Rossmann, K., *see* Doi, K. *also see* Haus, A.G.
Rothman, S.L.G., Deuker, D.K., Kier, E.L.: *In vivo* angiography of the ciliary circulation in the rabbit: an experimental model, 68
Rothman, S.L.G., Kier, E.L., Deuker, D.K.: Microangiographic anatomy of the cat's eye, 53

S

Saltzstein, S., *see* Talner, L.B.
Schlesinger, R.B., Schweizer, R.D., Chan, T.L., Keegan, A.F., Lippmann, M.: Controlled deposition of tantalum powder in a cast of the human airways: applications for aerosol bronchography, 115
Schneider, M., *see* Becker, J.A.
Schweizer, R.D., *see* Schlesinger, R.B.
Seidlitz, L., *see* Jacobs, R.P. *also see* Shanser, J.D.
Seliger, G., *see* Falkenstein, D.B.
Sell, S., *see* Dunn, R.C.
Shames, D.M., *see* Gamsu, G. *also see* Shanser, J.D.
Shanser, J.D., Korobkin, M., Seidlitz, L., Carlson, E.L., Shames, D.M.: Effect of decreased renal artery perfusion pressure on intrarenal hemodynamics in the dog, 569
Sidhu, G., *see* Falkenstein, D.B.
Silver, T.M., *see* Medzihradsky, F.
Silverman, N.R., Rosen, L., Helland, D.R.: Myocardial wall motion evaluation using amplitude frequency spectral analysis, 124
Skalpe, I.O., Toruik, A.: Toxicity of metrizamide and meglumine iocarmate in the spinal subarachnoid space, 154
Smith, T.C., *see* James, A.E.
Soschko, M., *see* Benness, G.T.
Sovak, M., Rosch, J., Lakin, R.C.: Vasodilators in the canine mesenteric circulation: evaluation of a potential aid in the diagnosis of gastrointestinal bleeding, 595
Staiano, S., *see* Becker, J.A.
Staubus, A.E., *see* Nelson, J.A.
Surette, G.D., Muir, A.L., Hogg, J.C., Fraser, R.G.: Roentgenographic study of blood flow redistribution in acute pulmonary edema in dogs, 109
Suzuki, Y., *see* Mori, H.

T

Talner, L.B., Saltzstein, S.: Renal arteriography: the choice of contrast material, 91
Thornbury, J.R., *see* Medzihradsky, F.
Tilley, D.G., *see* Weidner, W.A.
Tonami, N., *see* Mori, H.
Torvik, A., *see* Skalpe, I.O.
Trägårdh, B., Almén, T., Lynch, P.: Addition of calcium or other cations and of oxygen to ionic and non-ionic contrast media: effects on cardiac function during coronary arteriography, 231

V

Varga, D., *see* Benness, G.T.
Velasquez, D.J., *see* Yeh, H-C

W

Walker, L.A., *see* Reich, S.B.
Weidner, W.A., Jacobs, A.M., Kenney, E.S., Miller, K.L., Tilley, D.G.: Dynamic radiography: an evaluation of cardiac motion by the analysis of scattered radiation during fluoroscopy, 132
Weyel, D.A., Corn, M.: Characteristics of tantalum dust and dust generator for bronchography, 500
Whitbeck, A.A., *see* Lichtman, M.A.
Wirga, E., *see* Wójtowicz, J.
Wirga, Z., *see* Wójtowicz, J.
Wójtowicz, J., Wirga, Z., Wirga, E.: Angiographic patterns in experimental obstruction of the small bowel, 583

Y

Yeh, H-C, Hulbert, A.J., Phalen, R.F., Velasquez, D.J., Harris, T.D.: Stereographic technique and its application to the evaluation of lung casts, 351
Yerushalmi, S., *see* Itzchak, Y.

Z

Zimmerman, R.E., *see* Griffiths, H.J.
Zimmon, D.S., *see* Falkenstein, D.B.